

1. (Twice Amended) An electrical connector system, comprising:  
an electrical connector adapted to receive a mating connector; and  
a temperature sensor on said electrical connector positioned to detect a temperature of the mating connector when said mating connector is received in said electrical connector and positioned to allow insertion and removal of said mating connector to and from said electrical connector.

9. (Twice Amended) An electrical connector for an electronic card, comprising:  
a header;  
a frame associated with said header to guide the electronic card into engagement with said header; and  
a temperature sensor associated with said frame positioned to detect a temperature of the electronic card when said electronic card is engaged in said header, said temperature sensor and positioned to allow engagement and removal of said electronic card with and from said header.

16. (Amended) An electrical connector system for an electronic card, comprising:  
an electrical connector;  
a frame associated with said electrical connector;  
a temperature sensor associated with said frame to detect a temperature of the mating connector when said mating connector is inserted in said electrical connector, said temperature sensor positioned to allow insertion and removal of said mating connector with and from said electrical connector; and  
a transition board, said electrical connector and said temperature sensor connected to said transition board.

**REMARKS**

Reconsideration and allowance of the above-identified application is respectfully